

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (currently amended) A radiopaque marker for medical implants, comprising:
 - a.) 10 to 90 weight-percent of a biodegradable base component;
 - b.) 10 to 90 weight-percent of one or more radiopaque elements selected from the group consisting of I, Au, Ta, Y, Nb, Mo, Ru, Rh, Ba, La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, Hf, Ta, W, Re, Os, Ir, and Bi as a marker component; and,
 - c.) less than or equal to 10 weight-percent residual components,the components cited adding up to 100 weight-percent, wherein the biodegradable base component is an alloy.
2. (previously presented) The marker of Claim 1, wherein the marker comprises an alloy.
3. (previously presented) The marker of Claim 2, wherein the biodegradable base component comprises one or more biodegradable elements selected from the group consisting of magnesium, iron, and zinc.
4. (canceled)
5. (previously presented) The marker of Claim 1, wherein the marker component comprises one or more elements selected from the group consisting of I, Ta, Y, Ce, Nd, Sm, Gd, and Dy.
6. (canceled)
7. (previously presented) The marker of Claim 1, wherein the proportion of the base component in the marker is 30 to 70 weight-percent.

8. (previously presented) The marker of Claim 1, wherein a proportion of the radiopaque elements Y, La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu and yttrium as components of the marker component is not more than 20 weight-percent in the marker.

9. (previously presented) The marker of Claim 1, wherein the proportion of the residual component in the marker is less than or equal to 5 weight-percent.

10. (canceled)

11. (currently amended) A biodegradable implant having a section or coating incorporating a marker, comprising:

a.) 10 to 90 weight-percent of a base component comprising a biodegradable alloy;

b.) 10 to 90 weight-percent of one or more radiopaque elements selected from the group consisting of I, Au, Ta, Y, Nb, Mo, Ru, Rh, Ba, La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, Hf, Ta, W, Re, Os, Ir, and Bi as a marker component; and,

c.) less than or equal to 10 weight-percent residual components,
the components cited adding up to 100 weight-percent.

12. (currently amended) A biodegradable implant, comprising:

a.) a main body; and

b.) a radiopaque marker at least partially comprising the main body, the radiopaque marker comprising

i.) 10 to 90 weight-percent of a base component comprising a biodegradable alloy,

ii.) 10 to 90 weight-percent of one or more radiopaque elements selected from the group consisting of I, Au, Ta, Y, Nb, Mo, Ru, Rh, Ba, La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, Hf, Ta, W, Re, Os, Ir, and Bi as a marker component, and,

iii.) less than or equal to 10 weight-percent residual components,
the components cited adding up to 100 weight-percent.

13. (previously presented) The biodegradable implant of Claim 11, wherein the main body is molded from a biodegradable magnesium alloy.

14. (previously presented) The biodegradable implant of Claim 11, wherein the implant is an endovascular implant, an occluder, an orthopedic implant, or an alloplastic prosthesis.

15. (previously presented) The biodegradable implant of Claim 12, wherein the main body is molded from a biodegradable magnesium alloy.

16. (previously presented) The marker of Claim 1, wherein the proportion of the base component in the marker is 40 to 60 weight-percent.

17. (previously presented) The marker of Claim 1, wherein a proportion of the rare earth elements and of yttrium as components of the marker component is less than or equal to 15 weight-percent, in the marker.

18. (previously presented) The marker of Claim 1, wherein the proportion of the residual component in the marker is less than or equal to 1 weight-percent.

19. (canceled)

20. (currently amended) A radiopaque biodegradable marker for medical implants, the marker comprising:

a.) 10 to 90 weight-percent of a base component comprising a biodegradable alloy;

b.) 10 to 90 weight-percent of a radiopaque marker component comprising one or more radiopaque elements selected from the group consisting of I, Au, Ta, Y, Nb, Mo, Ru, Rh, Ba, La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, Hf, Ta, W, Re, Os, Ir, and Bi; and,

c.) less than or equal to 10 weight-percent residual components,

the components cited adding up to 100 weight-percent,

wherein the marker is an integral part of said implant and

wherein the marker degrades over time from the implant into the environment in which the implant is situated.

21. (previously presented) The marker of Claim 20, wherein the implant is at least partially coated with the radiopaque marker.

22. (previously presented) The marker of Claim 20, wherein the implant has a plurality of cavities formed therein and the radiopaque marker is at least partially disposed within the cavities.